

**LYNCHBURG CITY COUNCIL**  
**Agenda Item Summary**

MEETING DATE: **February 26, 2002**

AGENDA ITEM NO.: 6

CONSENT:

REGULAR: **X**

CLOSED SESSION:  
(Confidential)

ACTION: **X**

INFORMATION:

**ITEM TITLE: Sodium Hypochlorite Disinfection System Design – College Hill Water Plant**

**RECOMMENDATION:** Authorize the City Manager to execute a contract amendment for \$84,045 with the engineering firm of Hazen and Sawyer for design of a new disinfection system at the College Hill Water Plant (CHWP). The City Attorney has reviewed the original contract and determined it is acceptable to execute an amendment for the design of the referenced project.

**SUMMARY:** Last year, the Hazen and Sawyer provided a study of recommended alternatives to eliminate the current chlorine gas disinfection system at the CHWP with a system that is safer for plant personnel and the surrounding neighborhoods. The chosen system will use a liquid Sodium Hypochlorite product of 12-15 % available chlorine solution. This system will address several concerns such as reducing the hazards of using chlorine gas in an urban environment as identified in the City's Risk Management Plan and reducing the costs associated with the management of the emergency response plan and future regulations for using chlorine gas. It will also significantly reduce the threat of any terrorism potential. Due to the size of the storage tanks needed to house the liquid Sodium Hypochlorite and its tendency to degrade due to sunlight and extreme temperatures, a new process building will be required. The building site will displace a vehicle storage shed, which will be relocated elsewhere on the plant property. Construction of the project is due to begin Fall 2002 with an estimated cost of \$800,000.

**PRIOR ACTION(S):** None

**BUDGET IMPACT:** Operating costs for the new process should be approximately equal to the existing system. Funds are available in the current FY2002 Capital Budget , page 242, "Alternate Disinfection Process", for design and additional funds for construction are proposed in the upcoming FY2003 Capital Budget.

**CONTACT(S):** Bruce McNabb, Dir. of Public Works, 847-1823 (Ext. 268)  
Tim Mitchell 847-1322, (Ext.112)  
Greg Poff, 847-1322, (Ext.111)

**ATTACHMENT:** Proposed Resolution

**REVIEWED BY:**

Resolution:

BE IT RESOLVED That the City Manager, L. Kimball Payne, III, is authorized to execute a contract amendment in the amount of \$84,045.00 with the firm of Hazen and Sawyer, to design a new disinfection system located at the College Hill Water Plant.

Adopted:

Certified:

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Clerk of Council

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